

Converting Colors

CIELCh(72, 66.221, 190.810)

Have a look what the booklet for
CIELCh(72, 66.221, 190.810)
contains.

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Color

CIELCh(75, 44.236, 189.858)

Conversions

Conversions Part 1

Format	Color
Hex	01CEC5
RGB	1, 206, 197
RGB Percent	0%, 81%, 77%
CMY	0.9958, 0.1914, 0.2267
CMYK	0.99, 0.00, 0.04, 0.19
HSL	177°, 99%, 41%
HSV	177°, 99%, 81%
XYZ	32.2277, 48.2781, 60.5523
YIQ	143.6790, -119.2910, -46.2590

Conversions

Conversions Part 2

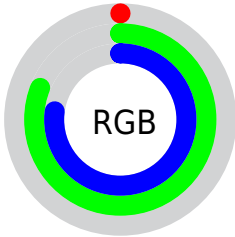
Format	Color
RYB	1, 106, 206
Decimal	118469
CIELab	75.00, -43.58, -7.57
CIELCh	75, 44.236, 189.858
Yxy	48.2781, 0.2285, 0.3423
Android (android.graphics.Color)	4278308549 (0xFF01CEC5)
YUV	143.6790, 26.2873, -125.1295
Hunter-Lab	69.4824, -38.8015, -3.0321

Details

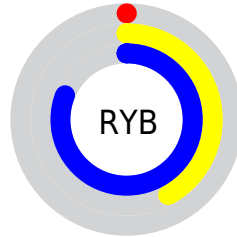
The CIELCh color **75, 44.236, 189.858** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **43, 87.022, 38.353**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 41.183, 196.171**, and **56, 35.414, 188.702** is the 20% darker color. If you saturate the color by 10%, you get **75, 44.275, 189.826**, and if you desaturate by 10%, it is **75, 43.358, 190.448**.

Distribution



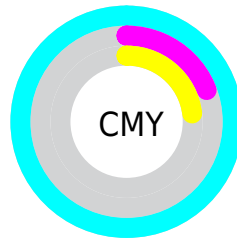
- Red (0%)
- Green (81%)
- Blue (77%)



- Red (0%)
- Yellow (42%)
- Blue (81%)



- Cyan (99%)
- Magenta (0%)
- Yellow (4%)
- Black (19%)




- Cyan (100%)
- Magenta (19%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 44.236, 189.858 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 75, 44.236, 189.858 by changing the saturation by 10% instead.

 75, 44.236,
189.858

 75, 44.236,
189.858

 100, 44.236,
189.858


 65, 44.236,
189.858


 95, 44.236,
189.858

 55, 44.236,
189.858

 45, 44.236,
189.858

 35, 44.236,
189.858

 25, 44.236,
189.858

 15, 44.236,
189.858

 5, 44.236, 189.858

■ 0, 44.236, 189.858

■ 75, 44.236,
189.858

■ 75, 44.236,
189.858

■ 75, 44.275,
189.826

■ 75, 43.358,
190.448

■ 75, 41.760,
191.020

■ 76, 39.270,
191.579

■ 76, 35.852,
192.138

■ 77, 31.529,
192.707

■ 78, 26.372,
193.294

■ 79, 20.482,
193.901

■ 80, 13.976,
194.535

■ 81, 6.978, 195.215

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75, 44.236, 189.858



43, 87.022, 38.353

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 44.236, 189.858



75, 44.236, 239.858



75, 44.236, 9.858



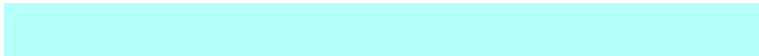
75, 44.236, 59.858

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75, 44.236, 189.857



95, 24.687, 193.846



72, 101.679, 135.854



50, 16.573, 193.585



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 44.236, 189.857



91, 51.993, 189.748



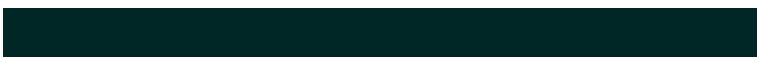
48, 55.693, 278.857



42, 4.141, 195.221



61, 37.618, 189.923



13, 13.891, 191.219

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



43, 87.022, 38.353



53, 102.903, 38.812



53, 74.156, 56.470



40, 4.372, 16.370



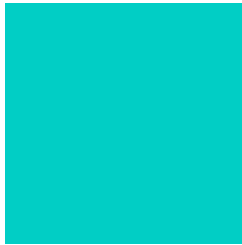
34, 73.773, 38.020



4, 17.932, 17.241

Previews

White Background



This preview shows how the CIELCh color 75, 44.236, 189.858 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 75, 44.236, 189.858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

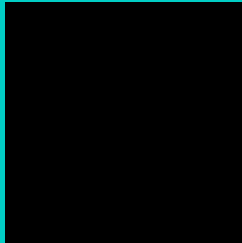
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

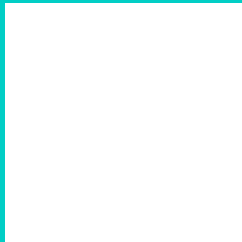
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 44.236, 189.858

Background



This preview shows how black text looks on a background with the CIELCh color 75, 44.236, 189.858.

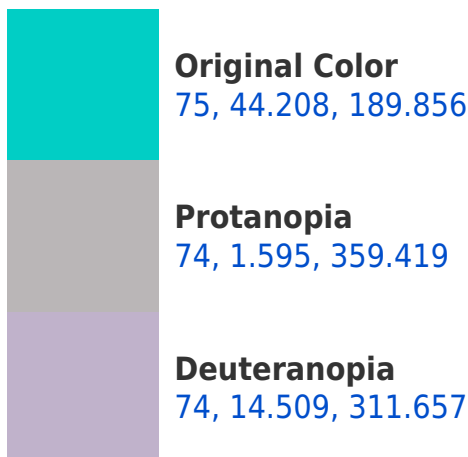


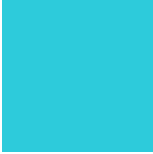
This preview shows how white text looks on a background with the CIELCh color 75, 44.236, 189.858.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
75, 38.523, 209.938

Trichromacy



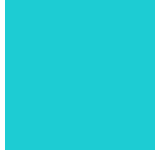
Original Color
75, 44.208, 189.856



Protanomaly
73, 23.841, 193.623



Deuteranomaly
72, 21.746, 217.056

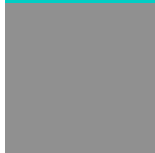


Tritanomaly
75, 40.401, 202.015

Monochromacy



Original Color
75, 44.208, 189.856



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 24.832, 192.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 44.236, 189.858 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(1, 206, 197)` looks like.

```
.text, #text, p{  
    color:rgb(1, 206, 197)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(1, 206, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 206, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 44.236, 189.858 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(1, 206, 197) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(1, 206, 197) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(1, 206, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 206, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 206, 197);  
box-shadow:4px 4px 4px 4px rgb(1, 206,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 44.236, 189.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 206, 197) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(1, 206,  
197) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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